

## JUNIOR MARINE ENGINEERING “Set Sail”

What causes something to sink or float? How can engineers help explore and protect the ocean below? These questions and more are all explored in Junior Marine. In this class, students explore the concepts of marine engineering and mechanics, harness the power of water, and discover designs that help us make the impossible, possible.

Day: Wednesdays

Date: January 20 - February 24

**Course Code: 16002**

Time: 3:30 p.m. - 4:30 p.m.

Fee: \$100 per resident

\$150 per non-resident

**Multi-family discount - \$15.00 off each additional child**

Age: 4 - 6 years old

Location: Activities House



Illustration by Chris Gash

## MARINE ENGINEERING “Wave Waves”

During the Marine Engineering classes, students use the Engineering Design Process to design, create, test, and refine several types of marine based devices and vehicles. Students construct working prototypes that teach and reinforce the concepts of above water transportation, underwater exploration, and harnessing the power of water. They gain exposure to careers in naval, ocean, and marine engineering as well as naval architecture.

Day: Wednesdays

Date: January 20 - February 24

**Course Code: 16003**

Time: 4:45 p.m. - 6:00 p.m.

Fee: \$124 per resident

\$186 per non-resident

**Multi-family discount - \$15.00 off each additional child**

Age: 7 - 14 years old

Location: Activities House

## JUNIOR ENVIRONMENTAL ENGINEERING “Thinking Green”

Are you ready to get down and dirty searching for solutions to some of our biggest environmental problems? In Junior Environmental, students ponder some truly “hot” environmental issues. Students in this class save endangered animals, help plants grow, and create protection from the sun’s heat. By investigating natural processes like erosion, animal adaptations, and plant growth, we discover ways that we as engineers can be inspired by the world around us to take on all sorts of challenges.

Day: Wednesdays

Date: March 9 - April 20

**Course Code: 16004**

No class: April 6

Time: 3:30 p.m. - 4:30 p.m.

Fee: \$100 per resident

\$150 per non-resident

**Multi-family discount - \$15.00 off each additional child**

Age: 4 - 6 years old

Location: Activities House

## ENVIRONMENTAL ENGINEERING "Go Green"

During the Environmental Engineering classes, students use the Engineering Design Process to design, create, test, and refine basic solutions related to alternative energy and environmental issues. They learn principles behind crafting efficient wind-powered machines and discover how those machines can be used to help reduce the use of fossil fuels. During the culminating project, students test different materials to discover which ones most effectively clean up after an oil spill.

Day: Wednesdays  
 Date: March 9 - April 20 **Course Code: 16005**  
 No class: April 6  
 Time: 4:45 p.m. - 6:00 p.m.  
 Fee: \$124 per resident \$186 per non-resident  
**Multi-family discount - \$15.00 off each additional child**  
 Age: 7 - 14 years old  
 Location: Activities House

## FRIENDSHIP CRAZE: MIND UP

Friendship Craze presents "MindUp" for kids. "MindUp" is an evidenced based, social, and emotional program of The Hawn Foundation built upon neuroscience, positive psychology, mindful awareness training, and optimism. The 14 lessons offer easy strategies for helping students focus their attention, improve their self-regulation skills, build resilience to stress, and develop a positive mind-set. The "MindUp" curriculum uses research-based lessons with the latest information about the brain to improve behavior and learning. It is shown to enhance perspective taking, empathy, kindness, and social skills as well as fostering complex problem-solving skills. In order to optimize learning these skills, it is recommended that children plan on taking both sessions consecutively; however, it is not required. **It sounds pretty technical but do not worry because the kids are going to have a ton of fun learning these important skills. The information will not be given in lectures but through breathing, games, and movement!**

Day: Fridays  
 Date: Session I: January 22 - March 4 **Course Code: 16006**  
 Session II: March 18 - May 6 **Course Code: 16007**  
 \*No class: April 8  
 Time: 4:30 p.m. - 5:20 p.m.  
 Fee: \$90 per resident \$135 per non-resident  
 Age: 7 - 11 years old  
 Location: Kiwanis Center

## ACTING CRAZE

Learn acting skills while getting ready to put on a performance for your family and friends. In Session I, we will perform, "**Diary of a Wimpy Kid.**" In Session II, we will perform a skit of, "**Descendants.**" Kids will choose a descendant of Disney's villains (or heroes) and create their stories! Final performance will take place immediately after the last class.

Day: Fridays  
 Date: Session I: January 22 - March 4 **Course Code: 16008**  
 Session II: March 18 - May 6 **Course Code: 16009**  
 \*No class: April 8  
 Time: 5:30 p.m. - 6:30 p.m.  
 Fee: \$90 per resident \$135 per non-resident  
 Age: 8 -14 years old  
 Location: Kiwanis Center

